We Claim:

1. A method for the treatment of wrinkles on human skin, by stimulating collagen growth beneath the epidermis layer, comprising the steps of:

arranging a pulsed dye laser generator in light communication with a pulsed dye laser delivery device;

applying said pulsed dye laser delivery device against tissue having wrinkles;

generating a pulsed dye laser light by said pulsed dye laser; and

directing said pulsed dye laser light from said pulsed dye laser delivery device onto said tissue, to reach hemoglobin in a collagen layer beneath the surface of said tissue.

2. The method of treatment of wrinkles as recited in claim 1, including the step of:

tuning said pulsed dye laser to deliver a laser light at a wavelength having a range of from about 570 nanometers to about 650 nanometers.

3. The method of treatment of wrinkles as recited in claim 2, including the step of:

adjusting said range of pulsed dye laser light generated to a wavelength of about 585 nanometers.

4. The method of treatment of wrinkles as recited in claim 1, including the step of:

generating said pulsed dye laser at a pulse width in a range of from about 150 microseconds to about 1500 microseconds.

150 µs - 1500 µs
150 ms - 1.5 ms

5. The method of treatment of wrinkles as recited in claim 4, including the step of:

generating said pulsed dye laser at a pulse width of about 450 microseconds.

6. The method of treatment of wrinkles as recited in claim 1, including the step of:

directing said pulsed dye laser light at the tissue at a target spot diameter of about 10-mm.

7. The method of treatment of wrinkles as recited in claim 1 including the step of:

maintaining a fluence of said pulsed dye laser light of less than 5 Joules per square cm.

8. A method for the treatment of wrinkles on human skin, by stimulating collagen growth beneath the epidermis layer, comprising the steps of:

arranging a pulsed dye laser generator in light communication with a pulsed dye laser delivery device;

applying said pulsed dye laser delivery device against tissue having wrinkles;

generating a pulsed dye laser light by said pulsed dye laser; and

directing said pulsed dye laser light from said pulsed dye laser delivery device onto said tissue, to reach hemoglobin in a collagen layer beneath the surface of said tissue; and

tuning said pulsed dye laser to deliver a laser light at a wavelength having a range of from about 570 nanometers to about 650 nanometers.

9. The method of treatment of wrinkles as recited in claim 8, including the step of:

adjusting said range of pulsed dye laser light generated to a wavelength of about 585 nanometers.

10. The method of treatment of wrinkles as recited in claim 9, including the step of:

generating said pulsed dye laser at a pulse width in a range of from about 150 microseconds to about 1500 microseconds.

11. The method of treatment of wrinkles as recited in claim 10, including the step of:

generating said pulsed dye laser at a pulse width of about 450 microseconds.

12. The method of treatment of wrinkles as recited in claim 10, including the step of:

energizing said collagen down to a depth of about 1.0-mm to about 1.2mm. below the surface of the skin by said pulsed dye laser.